

Plastic Extrusion's Role in Everyday Life

We go by our everyday lives with little regard to how the things we use are done. We utilise a lot of [plastic products](#) in our homes, but little do we know that plastic extrusion plays a big role in the creation of those products. Take the windows and doors, for instance. To keep the home or office interiors protected from storms and heavy rains, plastic seals and gaskets are used around window glass. These plastic seals and gaskets are made using plastic extrusion or co-extrusion processes.

Extrusion is instrumental in producing durable and elastic plastics used for windows in building construction. Extrusion gives these plastic materials the properties desirable for use in weather stripping, pipes, wire insulation and window gaskets. The extrusion process involves melting raw plastic materials and forming it into a continuous profile. The end product can come in various forms, serving various uses in the home and in everyday life. These plastic products are favoured for their high durability and flexibility without costing too much. They are cheaper and better alternatives to other materials.

Extruded plastic materials are used extensively in homes and buildings. In window weather stripping, extruded plastics such as thermoplastic rubber seals perform well in keeping indoor air quality intact while preventing seepage of rainwater runoff inside. Extruded plastics are ideal to use in static curtain walls, skylight glazing and sealing, dynamic seals and structural silicone glazing. Plastics extrusion also gives us products such as plastic tubing and wire insulation. Because of extruded products, it became easier to come up with new and better electronic products. These plastic products are widely used in various industries, from building and construction to mining and marine industries.

The plastic extrusion process produces thermoplastic materials that could be flexible or rigid, depending on the usage that is envisioned. Flexible PVC is recommended for glazing gaskets as they can protect and cushion window glass very well. For a sturdier use, rigid PVC is specified. Extruded plastics can be differentiated from thermoset materials which relatively cost more than thermoplastic materials. Good plastics materials are also produced through co-extrusion, which produces materials of superb weatherability, good flexibility in changing temperatures and ease in application, in addition to lower labour and maintenance costs.

Extrusion is an important of people's day-to-day lives, although it is little known to many people. A good number of products people use daily are made from thermoplastics, including products used for home construction such as for pipes, window seals, doors and wire insulation.

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